

F.A.J. 1010

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-207984  
(43)Date of publication of application : 03.08.2001

(51)Int.Cl. F04C 25/02  
F04B 49/06  
F04C 18/16  
F04C 23/00  
F04C 29/10

(21)Application number : 2000-  
213110 (71)Applicant : TEIJIN SEIKI CO LTD

(22) Date of filing : 13.07.2000 (72) Inventor : ANDO KIYOSHI

(30)Priority

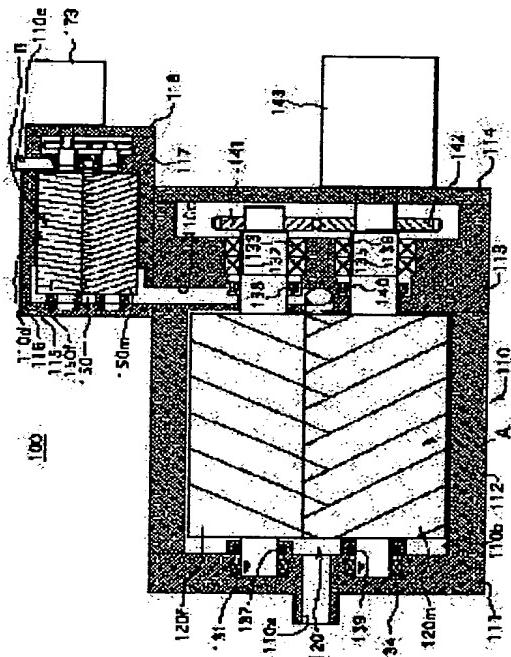
Priority number : 11326276 Priority date : 17.11.1999 Priority country : JP

**(54) EVACUATION DEVICE**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide an evacuation device having high energy efficiency when pressure on an intake side is in ultimate pressure or in a vacuum state in a certain extent, by reducing power by differential pressure

**SOLUTION:** The evacuation device 100 comprises of a roughing vacuum pump B and a booster pump A. Both the roughing vacuum pump B and the booster pump A are constituted of a screw vacuum pump and the design pumping speed of the roughing vacuum pump B is sufficiently smaller than that of the booster pump A, but in a degree that the roughing vacuum pump B can function as a roughing vacuum pump. The number of turns in a screw of the booster pump A is set smaller than that of



## **LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision]